aesys

Luminary 5000.

0.5C LIQUID-COOLED ENERGY STORAGE SYSTEM

KEY FEATURES

More than 10,000 cycles
- Long-life component selection
- High-performance battery cells

High level of safety and reliability
- Integrated fire protection system
- Variable-frequency liquid cooling system
- Temperature difference within each battery pack ≤ 3 °C
- Overall system temperature difference < 5 °C

High energy density – 340 kWh/m²
- Maximises space utilisation while providing exceptionally high energy storage capacity within a compact footprint.

More than 10 configuration options
- Flexible capacity configuration
- Multiple PCS options
- Supports AC voltage levels from 400 V to 110 kV



Model	QA-LYHV-P2500E5000
DC	
Cell	314 Ah / 3,2 V
Type	LFP
C-Rate	0,5C
Configuration	12P416S
DC output number	1 / 2 / 12
BMS Balancing strategy	Active balancing/Passive Balancing
Rated Voltage (V)	1331,2 V
Range of working voltage (V)	1164,8–1497,6 V
Rated Capacity	5,015 MWh
GENERAL	
Dimensions (L*W*H)	6058 × 2438 × 2896 mm
Neto weight	≤ 42,5 t
Cooling type	Liquide Cooling
IP Level	IP55
Anti-corrosion	C4
Working temperature	–30 °C - +55 °C
Relative Humidity	0–100%, no condensation
Operational altitude(m)	4000m (>3000m derating)
Fire supression system	Aerosol, Water fire suppression
Communication Interfaces	RS485 / CAN / Ethernet
Certification	IEC 62619, IEC 63056, IEC 61000, IEC 62477, IEC 62040, IEC 62933, UN 38.3, UL 9540A